2x2 1064nm Polarization Beam Combiner/Splitter

Features

Compact High Performance
High Extinction Ratio
Low Insertion Loss
High Directivity

Applications

Polarization Mode Dispersion Compensator
Laser System
Coherent Telecommunication Systems
Fiber Optic Sensor

Specifications

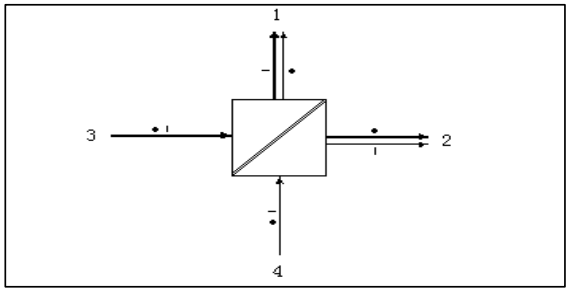
Parameter	Unit	Values	
Grade		Grade P	Grade A
Center Wavelength	nm	1064	
Operating Wavelength Range	nm	±20	
Typ. Excess Loss (Port 3 to Port 1/2 at Slow Axis; Port 4 to Port 1/2 at Fast Axis)	dB	0.8	1.0
Max. Excess Loss (Port 3 to Port 1/2 at Slow Axis; Port 4 to Port 1/2 at Fast Axis)	dB	1.0	1.2
Min. Return Loss	dB	50	
Min. Extinction Ratio (for Splitter only)	dB	20	18
Min. Directivity (Port 1 to Port 2, Port 3 to Port 4)	dB	50	
Max. Optical Power (CW)	mW	300	
Max. Tensile Load	N	5	
Fiber Type		PM Panda Fiber on Port 1 & 2	
Operating Temperature	℃	-5 to +70	
Storage Temperature	℃	-40 to +85	

*Above specifications are for device without connector.

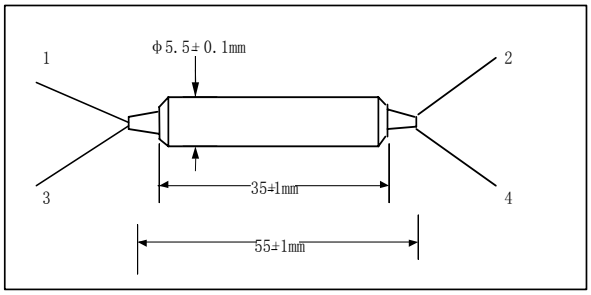
*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower.

*The PM fiber and the connector key are aligned to the slow axis.

Optical Path



Package Dimensions



Ordering Information

APBC-①①-②-③-④④④④-⑤⑤⑤⑤-⑥⑥-⑦

APBS-①①-②-③-④④④④-⑤⑤⑤⑤-⑥⑥-⑦

①①: Wavelength
06 - 1064nm
SS - Specify

②: Grade
P - Premium Grade
A - A Grade
S - Specify

③: Port
2 - 2x2

④④④④: Connector Type Port 1, 2, 3 & 4
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

⑤⑤⑤⑤: Fiber Jacket on Port 1, 2, 3 & 4
B - 250um Bare Fiber
L - 900um Loose Tube
S - Specify

⑥⑥: Fiber Type on Port 3 & 4
1 - HI 1060 Fiber
2 - PM Panda Fiber, Slow Axis align 45°to Port 1
3 - PM Panda Fiber, Slow Axis align to Port 1
S - Specify

⑦: Fiber Length
0.8 - 0.8m
S - Specify